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- 1 [Dynamic tuning of the IEEE 802.11 protocol to achieve a theoretical](#)
Frederico Cali, Marco Conti, Enrico Gregori
December 2000 **IEEE/ ACM Transactions on Networking (TON)**, Volume
Publisher: IEEE Press

Full text available: [Pdf](#) (381.15 KB) Additional Information: [full citation](#), [references](#), [cite](#)

Bibliometrics: Downloads (6 Weeks): 44, Downloads (12 Months): 278, Citation

Keywords: multiple access protocol (MAC), performance analysis, prot wireless LAN (WLAN)

- 2 [Capacity evaluation of frequency hopping based ad-hoc systems](#)
Apurva Kumar, Rajeev Gupta
June 2001 **SIGMETRICS '01: Proceedings of the 2001 ACM SIGMETRICS international conference on Measurement and modeling of computer systems**
Publisher: ACM

Full text available: [Pdf](#) (979.91 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 52, Citation (

The IEEE 802.15 Wireless Personal Area Networks (WPAN) study group on evolving a standard for short-range wireless connectivity between low power devices operating within the personal operating space (POS).

Keywords: GFSK, ad-hoc networks, bit error rate, bluetooth technology, forward error correction, frequency hopping, throughput

Also published in:

June 2001 **SIGMETRICS Performance Evaluation Review** Volume 29 Issue 1

- 3 [Optimizing the end-to-end performance of reliable flows over wireless](#)
Reiner Ludwig, Almudena Konrad, Anthony D. Joseph, Randy H. Katz
March 2002 **Wireless Networks**, Volume 8 Issue 2/3
Publisher: Kluwer Academic Publishers

Full text available: [Pdf](#) (230.41 KB) Additional Information: [full citation](#), [abstract](#), [referer terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 55, Citation (

Pure end-to-end error recovery fails as a general solution to optimize the wireless links form parts of the end-to-end path. It can lead to decrease throughput, an unfair load on best-effort networks, and a waste of value

Keywords: TCP, flow differentiation, link ARQ persistency, wireless

4 Performance of a new Bluetooth scatternet formation protocol



Ching Law, Amar K. Mehta, Kai-Yeung Siu

October 2001 **MobiHoc '01: Proceedings of the 2nd ACM international symposium on ad hoc networking & computing**

Publisher: ACM

Full text available: Pdf (1.50 MB) Additional Information: full citation, abstract, reference terms

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 55, Citation (

A Bluetooth ad hoc network can be formed by interconnecting piconets. The constraints and properties of Bluetooth scatternets present special challenges in forming an ad hoc network efficiently. In this paper, we evaluate the performance

Keywords: Bluetooth, ad hoc networks, resource discovery, topology control

5 Optimal channel assignment strategies for forced channel hopping in

Chris Jedrzejcki, Victor C. M. Leung

March 2000 **Mobile Networks and Applications**, Volume 5 Issue 1

Publisher: Kluwer Academic Publishers

Full text available: Pdf (162.99 KB) Additional Information: full citation, abstract, reference terms

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 8, Citation (

To provide an acceptable call blocking probability in circuit-switched cell such as the Advanced Mobile Phone System (AMPS) networks, a significant channel capacity in each cell is normally unused. This "free" capacity

6 Adaptive rate controlled, robust video communication over packet wi

G. R. Rajugopal, R. H. M. Hafez

June 1998 **Mobile Networks and Applications**, Volume 3 Issue 1

Publisher: Kluwer Academic Publishers

Full text available: Pdf (977.91 KB) Additional Information: full citation, abstract, reference terms, review

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 36, Citation (

Video transmission over wireless packet networks is gaining importance concept of universal personal communication. Further, it is considered essential towards wireless multimedia. The challenge however is to achieve good

7 Admission-control policies for multihop wireless networks

Craig M. Barnhart, Jeffrey E. Wieselthier, Anthony Ephremidis

December 1995 **Wireless Networks**, Volume 1 Issue 4

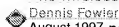
Publisher: Kluwer Academic Publishers

Full text available: Pdf (1.40 MB) Additional Information: full citation, abstract, reference terms

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 18, Citation (

In this paper, we investigate the admission-control problem for voice traffic in circuit-switched wireless networks. We consider coordinate-convex admission policies and a "blocked-calls-cleared" mode of operation, in ...

8 The wireless Net



Dennis Fowler

August 1997 **netWorker**, Volume 1 Issue 2

Publisher: ACM

Full text available: Pdf (566.06 KB) Additional Information: [full citation](#), [references](#), [cite review](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 46, Citation (

9 Ad Hoc mobility management with uniform quorum systems

Zygmunt J. Haas, Ben Liang

April 1999 **IEEE/ ACM Transactions on Networking (TON)**, Volume 7 Issue

Publisher: IEEE Press

Full text available: Pdf (258.18 KB) Additional Information: [full citation](#), [references](#), [cite](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 53, Citation (

Keywords: Ad hoc network, balanced incomplete block design, data distribution mobility management, quorum system, reconfigurable wireless network system

10 Editorial

A. K. Salkintzis, C. Chamzas, P. T. Mathiopoulos

March 2000 **Mobile Networks and Applications**, Volume 5 Issue 1

Publisher: Kluwer Academic Publishers

Full text available: Pdf (35.37 KB) Additional Information: [full citation](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 3, Citation (

11 Power control based QoS provisioning for multimedia in W-CDMA

Özgür Gürbüz, Henry Owen

January 2002 **Wireless Networks**, Volume 8 Issue 1

Publisher: Kluwer Academic Publishers

Full text available: Pdf (247.47 KB) Additional Information: [full citation](#), [abstract](#), [reference](#)

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 56, Citation

Third generation wireless communication systems will support multimedia services. W-CDMA will be the common air interface technology. Due to the interference limited nature of W-CDMA, power is the main resource of the network, and power control is

Keywords: WCDMA, power control, wireless QoS

12 Energy-aware routing in MANETs: analysis and enhancements




Ahmed Sawlat, Hossam Hassanein, Hussein Mouftah

September 2002 **MSWiM '02: Proceedings of the 5th ACM international workshop on Modeling analysis and simulation of wireless and mobile systems**

Publisher: ACM

Full text available: Additional Information: [full citation](#), [abstract](#), [reference](#)

 Pdf (207.35 KB)

[terms](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 66, Citation

Wireless mobile ad hoc stations have limited battery capacity. Hence, ad hoc protocols ought to be energy conservative. However, The simulation studies for table-driven and on-demand ad hoc routing protocols fall short of ex

Keywords: IEEE 802.11, MAC, PLCP, energy conservation, wireless ad

13 [The BLUE active queue management algorithms](#)

Wu-chang Feng, Kang G. Shin, Dilip D. Kandlur, Debanjan Saha

August 2002 **IEEE/ ACM Transactions on Networking (TON)** , Volume 10 I

Publisher: IEEE Press

Full text available:  Pdf (729.74 KB) Additional Information: [full citation](#), [abstract](#), [referen](#)
[terms](#)

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 79, Citation

In order to stem the increasing packet loss rates caused by an exponen network traffic, the IETF has been considering the deployment of active c management techniques such as RED [14]. While active queue manager

Keywords: congestion control, fair queue, networks, queue manage

14 [Using channel state dependent packet scheduling to improve TCP th wireless LANs](#)

Pravin Bhagwat, Partha Bhattacharya, Arvind Krishna, Satish K. Tripathi

March 1997 **Wireless Networks** , Volume 3 Issue 1

Publisher: Kluwer Academic Publishers

Full text available:  Pdf (541.97 KB) Additional Information: [full citation](#), [abstract](#), [referen](#)
[terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 43, Citation (

In recent years, a variety of mobile computers equipped with wireless c devices have become popular. These computers use applications and pr developed for wired desktop hosts, to communicate over wireless chann

15 [Issues in satellite personal communication systems](#)

Erich Lutz

February 1998 **Wireless Networks** , Volume 4 Issue 2

Publisher: Kluwer Academic Publishers

Full text available:  Pdf (742.57 KB) Additional Information: [full citation](#), [abstract](#), [referen](#)
[terms](#)

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 147, Citatio

In the paper various issues in personal satellite communications are add geostationary and non-geostationary satellite constellations are consid narrowband and wideband characterization of the mobile satellite chann

16

[Defending wireless infrastructure against the challenge of DDoS atta](#)

Xianjun Geng, Yun Huang, Andrew B. Whinston

June 2002 **Mobile Networks and Applications** , Volume 7 Issue 3

Publisher: Kluwer Academic Publishers


Full text available:  Pdf (313.57 KB) Additional Information: [full citation](#), [abstract](#), [referent terms](#)

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 145, Citation

This paper addresses possible Distributed Denial-of-Service (DDoS) attacks on the wireless Internet including the Wireless Extended Internet, the Wireless Ad Hoc network. We propose a conceptual model for distributed denial of service attacks on the wireless Internet.

Keywords: DDoS attack, PBN, wireless ad hoc network, wireless extension, wireless infrastructure, wireless portal network

17 Directional virtual carrier sensing for directional antennas in mobile ad hoc networks

 Mineo Takai, Jay Martin, Rajive Bagrodia, Aifeng Ren

June 2002 **MobiHoc '02: Proceedings of the 3rd ACM international symposium on mobile computing and networking**

Publisher: ACM

Full text available:  Pdf (1.24 MB) Additional Information: [full citation](#), [abstract](#), [referent terms](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 103, Citation

This paper presents a new carrier sensing mechanism called DVCS (Directional Virtual Carrier Sensing) for wireless communication using directional antennas. It requires specific antenna configurations or external devices. Instead of using omnidirectional antennas, it uses directional antennas.

Keywords: IEEE 802.11, carrier sensing, directional antenna systems, control, mobile ad hoc networks

18 TETRA radio performance evaluated via the software package TETRA

Armando Annunziato, Davide Sorbara

March 2000 **Mobile Networks and Applications** , Volume 5 Issue 1


Publisher: Kluwer Academic Publishers

Full text available:  Pdf (429.08 KB) Additional Information: [full citation](#), [abstract](#), [referent terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 37, Citation


TETRA (Terrestrial Trunked Radio) is a digital mobile radio standard for professional users and emergency services. The system has been designed to satisfy the growing request of applications coming from professional users and emergency services. The system has been designed to satisfy the growing request of applications coming from professional users and emergency services. The system has been designed to satisfy the growing request of applications coming from professional users and emergency services.

19 Smart-tag based data dissemination

 Allan Beaufour, Martin Leopold, Philippe Bonnet

September 2002 **WSNA '02: Proceedings of the 1st ACM international workshop on sensor networks and applications**

Publisher: ACM

Full text available:  Pdf (230.05 KB) Additional Information: [full citation](#), [abstract](#), [referent terms](#)


Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 60, Citation

Monitoring wide, hostile areas requires disseminating data between fixed clusters of sensor nodes. It is not always possible to install long-range receivers to cover the whole area. We propose to leverage the movement of mobile

Keywords: bluetooth, epidemic replication, smart-tags

20 A pseudo random coordinated scheduling algorithm for Bluetooth sc
András Rácz, György Miklós, Ferenc Kubinszky, András Valkó
October 2001 **MobiHoc '01: Proceedings of the 2nd ACM international symposium on ad hoc networking & computing**

Publisher: ACM

Full text available:  Pdf (218.47 KB) Additional Information: full citation, abstract, reference terms





Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 56, Citation (

The emergence of Bluetooth as a default radio interface allows handheld devices to rapidly interconnect into ad hoc networks. Bluetooth allows large numbers of devices to form a scatternet using designated nodes that participate in multiple

Keywords: Bluetooth, inter-piconet communication, scatternet, scheduling

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